

Please amend the claims;

Amend claim 1:

1 1. (Amended) In a power converter, comprising:
 2 an input for accepting a DC voltage;
 3 a power transformer including a primary and secondary winding;
 4 a power switch for periodically connecting the input to the primary
 5 winding;
 6 an output for accepting a load to be energized;
 7 clamping means for limiting a voltage and extending the voltage's
 8 duration across the secondary winding at a substantially constant amplitude during
 9 substantially an entire extent of a [first] clamping interval of a cyclic period of the
 10 power converter;
 11 a rectifier circuit connecting the secondary winding to the output; and
 12 including:
 13 a synchronous rectification device with a control terminal connected to
 14 be responsive to a signal across the secondary winding such that the synchronous
 15 rectification device conducts a load current during substantially the entire extent of
 16 the [first] clamping interval; and
 17 a [diode] rectifying device connected for enabling conduction of the
 18 load current during a second interval other than the [specified] clamping interval.

Amend claim 2:

1 2. (Amended) In a power converter, comprising
 2 an input for accepting a DC voltage;
 3 a power transformer including a primary and secondary winding;
 4 a power switch for periodically connecting the input to the primary
 5 winding during a second interval of a cyclic period;
 6 an output for accepting a load to be energized;
 7 clamping means for limiting a voltage and extending the voltage's
 8 duration across the secondary winding at a substantially constant amplitude during
 9 substantially an entire extent of a [first] clamping interval of a cyclic period of the
 10 power converter;
 11 a rectifier circuit connecting the secondary winding to the output; and
 12 including:
 13 a first synchronous rectification device with a control terminal connected
 14 to be responsive to a signal across the secondary winding such that the synchronous
 15 rectification device conducts a load current during substantially the entire extent of

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16 the clamping [first] interval, and
17 a second synchronous rectification device with a control terminal
18 connected to be responsive to a signal across the secondary winding such that the
19 second synchronous rectification device conducts the load current during
20 substantially an entire extent of the [a] second interval other than the clamping [first]
21 interval.

[Amend claim 5:]

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1 5. (Amended) A switching mode power converter, comprising:
2 a power transformer including a magnetizing inductance requiring
3 periodic recycling;
4 a first power stage for converting a DC input into a periodic pulsed
5 voltage applied to a primary winding of the transformer, including:
6 a clamping circuit for limiting a voltage of the transformer during the
7 periodic recycling at a substantially constant amplitude and extending the voltage
8 duration to maintain a constant voltage for substantially an entire extent of periodic
9 recycling;
10 a second power stage for rectifying an output of a secondary winding of
11 the transformer and applying it to a load to be energized, including:
12 a synchronous rectifier including a first rectifying device with a control
13 gate connected to be responsive to a signal across the secondary winding such that
14 the synchronous rectification device conducts a load current during the periodic
15 recycling when the clamping circuit is active, and
16 a second rectifying device connected for enabling conduction of the load
17 current when the first rectifying device is nonconducting.

[IN THE DRAWINGS

~~Cancel~~ FIGURE 9.

Remarks

The office draftsman has objected to the drawing page numbering as filed. Appropriate corrections will be made and formal drawings including these corrections will be submitted to the PTO prior to issuance of this application.

The specific reference to the parent application/patent upon which this patent application has been based has been amended to recite the patent number of the issued parent and its issue date. This is believed to meet the requirement specified by the